



# US6013823: Trans-pentavalent 2-15-deoxy-16-hydroxy-16-methyl-PGE1 methyl ester (

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**Premium Data 1:** [PDF \(~2000 KB\)](#) | [TIFF \(~1580 KB\)](#) | [SmartPatent \(~1580 KB\)](#) | [Fax](#) | [More ch](#)

**Inventor(s):** Mamarella; Carlos Alberto Genaro , Buenos Aires, Argentina  
Buschi; Carlos Alberto , Buenos Aires, Argentina  
Giarcovich; Silvia Susana , Buenos Aires, Argentina

**Applicant(s):** New Pharma International Corp., Montevideo, Uruguay  
Other patents from NEW PHARMA INTERNATIONAL CORP. (approx. 1)

**Issued/Filed Dates:** Jan. 11, 2000 / July 31, 1997

**Application Number:** US1997000903782

**IPC Class:** C07F 007/08;

**Class:** 556/443;

**Field of Search:** 556/443

**Abstract:** Analogs of the prostaglandin PGE<sub>1</sub> are disclosed. These compounds exhibit uterotonic properties, enhancing the response to PGF<sub>2</sub> .alpha. in isolated rat uteri. The compounds also exhibit other pharmacological properties, as inhibitors of gastric acid secretion, hypotensives, and bronchodilators. Processes for making the analogs, useful intermediates, and pharmaceutical preparations are also presented.

**Attorney, Agent, or Firm:** Darby & Darby;

**Primary/Assistant Examiners:** Shaver; Paul F.;

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Related Applications:	Application Number	ApplDate	Patent	Issued	Title
	US1993000072188	1993-06-04	<u>US5817694</u>	1998-10-06	<u>16-methyl-11,16-dihydroxy-9-oxoprost-2-acid and derivatives</u>

# U.S. References:

(No patents reference this one)

Patent	Issued	Inventor(s)	Applicant(s)	Title
<u>US4190597</u>	2 /1980	Floyd, Jr. et al.	American Cyanamid Company	<u>Various 15-deoxy-16-hydroxy-16-16-ethynylsubstituted prostaglandins</u>
<u>US4529812</u>	7 /1985	Collins et al.	G. D. Searle & Co.	<u>3-Oxaprostaglandins</u>
<u>US4617411</u>	10 /1986	Collins et al.	G. D. Searle & Co.	<u>3-oxaprostaglandins</u>
<u>US5166174</u>	11 /1992	Ueno et al.	K.K. Ueno Seiyaku Oyo Kenkyujo	<u>Prostaglandins E and anti-ulcers same</u>
<u>US5705659</u>	1 /1998	Park et al.	Korea Institute of Science and Technology	<u>Intermediates for the synthesis of 16-phenoxy-prostatienoic acid de a preparing method thereof</u>

First Claim: Show all 2 claims

What is claimed is:

1. A compound useful as a precursor in the synthesis of compounds of the formula: *[Figure]* in which R represents C<sub>1</sub> -C<sub>4</sub> alkyl groups of the methyl, ethyl or isopropyl types, represented by the formula: *[Figure]* in which R represents C<sub>1</sub> -C<sub>4</sub> alkyl groups of the methyl, ethyl or isopropyl types, R<sup>9</sup> represents a bulky alkyl group or an aromatic one.

This is a division of application Ser. No. 08/072,188, filed Jun. 4, 1993, now U.S. Pat. No. 5,817,694.

Background/Summary: Show background/summary

Drawing Descriptions: Show drawing descriptions

Description of Preferred Embodiments: Show description of preferred embodiments

Foreign References: none

(No patents reference this one)

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